

## Refine Search

### Search Results -

Terms	Documents
(L5 or L6) and L2	21

Database:

US Pre-Grant Publication Full-Text Database  
 US Patents Full-Text Database  
 US OCR Full-Text Database  
 EPO Abstracts Database  
 JPO Abstracts Database  
 Derwent World Patents Index  
 IBM Technical Disclosure Bulletins

Search:






### Search History

 DATE: Monday, June 13, 2005    [Printable Copy](#)    [Create Case](#)
**Set Name**    **Query**  
 side by side

**Hit Count**    **Set Name**  
 result set

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<u>L9</u>	(L5 or L6) and L2	21	<u>L9</u>
<u>L8</u>	(L5 or L6) and L3	7	<u>L8</u>
<u>L7</u>	(L5 or L6) and L4	2	<u>L7</u>
<u>L6</u>	715/501.1 513.ccls.	685	<u>L6</u>
<u>L5</u>	715/505-510.ccls.	768	<u>L5</u>
<u>L4</u>	L3 and Java	27	<u>L4</u>
<u>L3</u>	L2 and (automatic\$8 same (fill in or fill-in))	59	<u>L3</u>
<u>L2</u>	Internet and (form same (fill in or fill-in))	290	<u>L2</u>
<u>L1</u>	5794259.pn.	2	<u>L1</u>

END OF SEARCH HISTORY

10/016,982

## Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 2 of 2 returned.

☐ 1. Document ID: US 20040068693 A1

L7: Entry 1 of 2

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040068693

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040068693 A1

TITLE: Client side form filler that populates form fields based on analyzing visible field labels and visible display format hints without previous examination or mapping of the form

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw D
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☐ 2. Document ID: US 6662340 B2

L7: Entry 2 of 2

File: USPT

Dec 9, 2003

US-PAT-NO: 6662340

DOCUMENT-IDENTIFIER: US 6662340 B2

TITLE: Client-side form filler that populates form fields based on analyzing visible field labels and visible display format hints without previous examination or mapping of the form

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
(L5 or L6) and L4	2

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## Hit List

Clear	Generate Collection	Print	Fwd Refs	Blwd Refs
Generate OACS				

Search Results - Record(s) 1 through 27 of 27 returned.

☐ 1. Document ID: US 20050114511 A1

L4: Entry 1 of 27

File: PGPB

May 26, 2005

PGPUB-DOCUMENT-NUMBER: 20050114511

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050114511 A1

TITLE: Method and apparatus for tracking client interaction with a network resource

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 2. Document ID: US 20050044423 A1

L4: Entry 2 of 27

File: PGPB

Feb 24, 2005

PGPUB-DOCUMENT-NUMBER: 20050044423

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050044423 A1

TITLE: Managing digital identity information

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 3. Document ID: US 20040221033 A1

L4: Entry 3 of 27

File: PGPB

Nov 4, 2004

PGPUB-DOCUMENT-NUMBER: 20040221033

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040221033 A1

TITLE: Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Dg
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☐ 4. Document ID: US 20040199430 A1

L4: Entry 4 of 27

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199430  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040199430 A1

TITLE: Online intelligent multilingual comparison-shop agents for wireless networks

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Da
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☐ 5. Document ID: US 20040133897 A1

L4: Entry 5 of 27

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040133897  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040133897 A1

TITLE: Automated software robot generator

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Da
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☐ 6. Document ID: US 20040122730 A1

L4: Entry 6 of 27

File: PGPB

Jun 24, 2004

PGPUB-DOCUMENT-NUMBER: 20040122730  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040122730 A1

TITLE: Electronic messaging system and method thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Da
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☐ 7. Document ID: US 20040083131 A1

L4: Entry 7 of 27

File: PGPB

Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040083131  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040083131 A1

TITLE: System and method for the targeted distribution of promotional information over a network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw Da
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☐ 8. Document ID: US 20040068693 A1

L4: Entry 8 of 27

File: PGPB

Apr 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040068693  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040068693 A1

TITLE: Client side form filler that populates form fields based on analyzing visible field labels and visible display format hints without previous examination or mapping of the form

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw De
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☐ 9. Document ID: US 20040054574 A1

L4: Entry 9 of 27

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040054574  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040054574 A1

TITLE: System and method for the targeted distribution of promotional information over a network

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw De
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☐ 10. Document ID: US 20030167209 A1

L4: Entry 10 of 27

File: PGPB

Sep 4, 2003

PGPUB-DOCUMENT-NUMBER: 20030167209  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030167209 A1

TITLE: Online intelligent information comparison agent of multilingual electronic data sources over inter-connected computer networks

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw De
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☐ 11. Document ID: US 20030159071 A1

L4: Entry 11 of 27

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159071  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030159071 A1

TITLE: Electronic password wallet

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWOC	Draw De
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☐ 12. Document ID: US 20030065770 A1

L4: Entry 12 of 27

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065770  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030065770 A1

TITLE: Method of monitoring cleint interaction with a file downloaded from a server

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 13. Document ID: US 20030009385 A1

L4: Entry 13 of 27

File: PGPB

Jan 9, 2003

PGPUB-DOCUMENT-NUMBER: 20030009385  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20030009385 A1

TITLE: Electronic messaging system and method thereof

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 14. Document ID: US 20020157023 A1

L4: Entry 14 of 27

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020157023  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020157023 A1

TITLE: Layering enterprise application services using semantic firewalls

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 15. Document ID: US 20020156846 A1

L4: Entry 15 of 27

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020156846  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020156846 A1

TITLE: Intelligent client-side form filler

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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☐ 16. Document ID: US 20020154162 A1

L4: Entry 16 of 27

File: PGPB

Oct 24, 2002

PGPUB-DOCUMENT-NUMBER: 20020154162  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020154162 A1

TITLE: Systems and methods for context personalized web browsing based on a browser companion agent and associated services

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 17. Document ID: US 20020152228 A1

L4: Entry 17 of 27

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020152228  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020152228 A1

TITLE: METHODS FOR AUTOMATICALLY LOCATING URL-CONTAINING OR OTHER DATA-CONTAINING WINDOWS IN FROZEN BROWSER OR OTHER APPLICATION PROGRAM, SAVING CONTENTS, AND RELAUNCHING APPLICATION PROGRAM WITH LINK TO SAVED DATA

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 18. Document ID: US 20020099812 A1

L4: Entry 18 of 27

File: PGPB

Jul 25, 2002

PGPUB-DOCUMENT-NUMBER: 20020099812  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020099812 A1

TITLE: METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 19. Document ID: US 20020040395 A1

L4: Entry 19 of 27

File: PGPB

Apr 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020040395  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020040395 A1

TITLE: Method of monitoring client interaction with a file downloaded from a server

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 20. Document ID: US 6763386 B2

L4: Entry 20 of 27

File: USPT

Jul 13, 2004

US-PAT-NO: 6763386

DOCUMENT-IDENTIFIER: US 6763386 B2

TITLE: Method and apparatus for tracking client interaction with a network resource downloaded from a server

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 21. Document ID: US 6662340 B2

L4: Entry 21 of 27

File: USPT

Dec 9, 2003

US-PAT-NO: 6662340

DOCUMENT-IDENTIFIER: US 6662340 B2

TITLE: Client-side form filler that populates form fields based on analyzing visible field labels and visible display format hints without previous examination or mapping of the form

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 22. Document ID: US 6662310 B2

L4: Entry 22 of 27

File: USPT

Dec 9, 2003

US-PAT-NO: 6662310

DOCUMENT-IDENTIFIER: US 6662310 B2

TITLE: METHODS FOR AUTOMATICALLY LOCATING URL-CONTAINING OR OTHER DATA-CONTAINING WINDOWS IN FROZEN BROWSER OR OTHER APPLICATION PROGRAM, SAVING CONTENTS, AND RELAUNCHING APPLICATION PROGRAM WITH LINK TO SAVED DATA

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 23. Document ID: US 6643696 B2

L4: Entry 23 of 27

File: USPT

Nov 4, 2003

US-PAT-NO: 6643696

DOCUMENT-IDENTIFIER: US 6643696 B2

TITLE: Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw De
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☐ 24. Document ID: US 6609146 B1



L4: Entry 24 of 27

File: USPT

Aug 19, 2003

US-PAT-NO: 6609146

DOCUMENT-IDENTIFIER: US 6609146 B1

TITLE: System for automatically switching between two executable programs at a user's computer interface during processing by one of the executable programs

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 25. Document ID: US 6535912 B1

L4: Entry 25 of 27

File: USPT

Mar 18, 2003

US-PAT-NO: 6535912

DOCUMENT-IDENTIFIER: US 6535912 B1

TITLE: Method for creating and playing back a smart bookmark that automatically retrieves a requested Web page through a plurality of intermediate Web pages

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 26. Document ID: US 6138155 A

L4: Entry 26 of 27

File: USPT

Oct 24, 2000

US-PAT-NO: 6138155

DOCUMENT-IDENTIFIER: US 6138155 A

TITLE: Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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☐ 27. Document ID: US 5796952 A

L4: Entry 27 of 27

File: USPT

Aug 18, 1998

US-PAT-NO: 5796952

DOCUMENT-IDENTIFIER: US 5796952 A

TITLE: Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw D
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Terms	Documents
L3 and Java	27

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6/13/2005 10/016,982

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Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐

### 1 Establishing the semantic web 1: Data extraction and label assignment for web databases

Jiying Wang, Fred H. Lochovsky


May 2003 **Proceedings of the 12th international conference on World Wide Web**Full text available:  pdf(651.74 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many tools have been developed to help users query, extract and integrate data from web pages generated dynamically from databases, i.e., from the Hidden Web. A key prerequisite for such tools is to obtain the schema of the attributes of the retrieved data. In this paper, we describe a system called, *DeLa*, which reconstructs (part of) a "hidden" back-end web database. It does this by sending queries through HTML forms, automatically generating regular expression wrappers to extract ...

**Keywords:** HTML forms, automatic wrapper induction, data annotation, hidden web, information integration, web information extraction

### 2 Data integrity: Web application security assessment by fault injection and behavior monitoring

Yao-Wen Huang, Shih-Kun Huang, Tsung-Po Lin, Chung-Hung Tsai

May 2003 **Proceedings of the 12th international conference on World Wide Web**Full text available:  pdf(4.53 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

As a large and complex application platform, the World Wide Web is capable of delivering a broad range of sophisticated applications. However, many Web applications go through rapid development phases with extremely short turnaround time, making it difficult to eliminate vulnerabilities. Here we analyze the design of Web application security assessment mechanisms in order to identify poor coding practices that render Web applications vulnerable to attacks such as SQL injection and cross-site scr ...

**Keywords:** black-box testing, complete crawling, fault injection, security assessment, web application testing

### 3 Computational aspects of resilient data extraction from semistructured sources (extended abstract)

Hasan Davulcu, Guizhen Yang, Michael Kifer, I. V. Ramakrishnan

May 2000 **Proceedings of the nineteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems**

Full text available:  [pdf\(259.33 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Automatic data extraction from semistructured sources such as HTML pages is rapidly growing into a problem of significant importance, spurred by the growing popularity of the so called "shopbots" that enable end users to compare prices of goods and other services at various web sites without having to manually browse and fill out forms at each one of these sites. The main problem one has to contend with when designing data extraction techniques is that the contents of ...

#### 4 Efficient Web form entry on PDAs

Oliver Kaljuvee, Orkut Buyukkokten, Hector Garcia-Molina, Andreas Paepcke

April 2001 **Proceedings of the 10th international conference on World Wide Web**


Full text available:  [pdf\(398.94 KB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** PDA, WAP, forms, mobile computing, wireless access

#### 5 Efficient web browsing on handheld devices using page and form summarization

January 2002 **ACM Transactions on Information Systems (TOIS)**, Volume 20 Issue 1

Full text available:  [pdf\(4.47 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)


We present a design and implementation for displaying and manipulating HTML pages on small handheld devices such as personal digital assistants (PDAs), or cellular phones. We introduce methods for summarizing parts of Web pages and HTML forms. Each Web page is broken into text units that can each be hidden, partially displayed, made fully visible, or summarized. A variety of methods are introduced that summarize the text units. In addition, HTML forms are also summarized by displaying just the t ...

**Keywords:** PDA, Personal digital assistant, WAP, WML, forms, handheld computers, mobile computing, summarization, ubiquitous computing, wireless computing

#### 6 Web browsing in a wireless environment: disconnected and asynchronous operation in ARTour Web Express

Henry Chang, Carl Tait, Norman Cohen, Moshe Shapiro, Steve Mastrianni, Rick Floyd, Barron Housel, David Lindquist

September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**


Full text available:  [pdf\(1.50 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

#### 7 Information gathering in the World-Wide Web: the W3QL query language and the W3QS system

David Konopnicki, Oded Shmueli

December 1998 **ACM Transactions on Database Systems (TODS)**, Volume 23 Issue 4

Full text available:  [pdf\(1.36 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The World Wide Web (WWW) is a fast growing global information resource. It contains an

enormous amount of information and provides access to a variety of services. Since there is no central control and very few standards of information organization or service offering, searching for information and services is a widely recognized problem. To some degree this problem is solved by "search services," also known as "indexers," such as Lycos, AltaVista, Yahoo, and others. ...

**Keywords:** CGI, FORMS, HTML, HTTP, PERL, World-Wide Web, query language, query system

8 Semistructured and structured data in the Web: going back and forth

Paolo Atzeni, Giansalvatore Mecca, Paolo Merialdo  
December 1997 **ACM SIGMOD Record**, Volume 26 Issue 4

Full text available:  pdf(848.60 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)



9 Model-driven development of Web applications: the AutoWeb system

Piero Fraternali, Paolo Paolini  
October 2000 **ACM Transactions on Information Systems (TOIS)**, Volume 18 Issue 4

Full text available:  pdf(6.94 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a methodology for the development of WWW applications and a tool environment specifically tailored for the methodology. The methodology and the development environment are based upon models and techniques already used in the hypermedia, information systems, and software engineering fields, adapted and blended in an original mix. The foundation of the proposal is the conceptual design of WWW applications, using HDM-lite, a notation for the specification of structure, nav ...

**Keywords:** HTML, WWW, application, development, intranet, modeling



10 Timeline to efficiency

Tammy Hohlt, Kristina Cunningham  
October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User services**

Full text available:  pdf(160.77 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

When you are in a position that relies on student employees as the majority of your workforce, there are many issues that you must handle and it is imperative to put the most efficient system into place. At the University of Missouri-Columbia, IAT Services, our organization employs approximately 175 students per semester. The processes that we have in place for hiring, training and performance evaluations are continuously being revamped and improved upon by our staff and employees. We have a ...

**Keywords:** computing sites, customer service, hiring and evaluations, interviewing, master calendar, mentoring, teamwork, timeline, training



11 Implementing shared manufacturing services on the World-Wide Web

J. W. Erkes, K. B. Kenny, J. W. Lewis, B. D. Sarachan, M. W. Sobolewski, R. N. Sum  
February 1996 **Communications of the ACM**, Volume 39 Issue 2

Full text available:  pdf(404.10 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



12 Research sessions: Web, XML and IR: Understanding Web query interfaces: best-effort parsing with hidden syntax

Zhen Zhang, Bin He, Kevin Chen-Chuan Chang

June 2004 **Proceedings of the 2004 ACM SIGMOD international conference on Management of data**

Full text available:  [pdf\(431.29 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Recently, the Web has been rapidly "deepened" by many searchable databases online, where data are hidden behind query forms. For modelling and integrating Web databases, the very first challenge is to understand what a query interface says- or what *query capabilities* a source supports. Such automatic extraction of interface semantics is challenging, as query forms are created autonomously. Our approach builds on the observation that, across myriad sources, query forms seem to reveal some ...

13 Supporting the writing of reports in a hierarchical organization

Andreas Girgensohn

March 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international joint conference on Work activities coordination and collaboration**, Volume 24 Issue 2

Full text available:  [pdf\(1.31 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In many hierarchical companies, reports from several independent groups must be merged to form a single, company-wide report. This paper describes a process and system for creating and structuring such reports and for propagating contributions up the organization. The system has been in regular use, in-house, by about 30 users for over a year to create monthly status reports. Our experiences indicate that it is possible to change a monthly reporting practice so that the system is easy to use, im ...

**Keywords:** World Wide Web, collaborative writing, corporate memory, hierarchical organizations, report generation, user feedback

14 Spoken dialogue technology: enabling the conversational user interface

Michael F. McTear

March 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 1

Full text available:  [pdf\(987.69 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the 1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc ...

**Keywords:** Dialogue management, human computer interaction, language generation, language understanding, speech recognition, speech synthesis

15 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on

process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

#### 16 Information retrieval on the web

Mei Kobayashi, Koichi Takeda

June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2

Full text available:  [pdf\(213.89 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...


**Keywords:** Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine



#### 17 Generating HTML sources with TFE enhanced SQL

Toshiyuki Seto, Takuhiro Nagafuji, Motomichi Toyama

April 1997 **Proceedings of the 1997 ACM symposium on Applied computing**

Full text available:  [pdf\(1.01 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


**Keywords:** WWW, database publishing, internet, intranet, query language



#### 18 A layered architecture for querying dynamic Web content

Hasan Davulcu, Juliana Freire, Michael Kifer, I. V. Ramakrishnan

June 1999 **ACM SIGMOD Record , Proceedings of the 1999 ACM SIGMOD international conference on Management of data**, Volume 28 Issue 2

Full text available:  [pdf\(1.56 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of webbases, database systems for supporting Web-based applications, is currently an active area of research. In this paper, we propose a 3-year architecture for designing and implementing webbases for querying dynamic Web content(i.e., data that can only be extracted by filling out multiple forms). The lowest layer, virtual physical layer, provides navigation independence by shielding the user from the complexities associated wi ...



#### 19 Tradeoffs between parallelism and fill in nested dissection

Claudson F. Bornstein, Bruce M. Maggs, Gary L. Miller

June 1999 **Proceedings of the eleventh annual ACM symposium on Parallel algorithms and architectures**

Full text available:  [pdf\(1.35 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)



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#### Advanced drawing tools aid network planning



Nathan J. Muller

November 1997 **International Journal of Network Management**, Volume 7 Issue 6

Full text available:  pdf(849.87 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Network administrators can facilitate managing large, complex networks by using diagramming solutions. This article describes and discusses a variety of tools that are available to aid the design process. © 1997 John Wiley & Sons, Ltd.

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